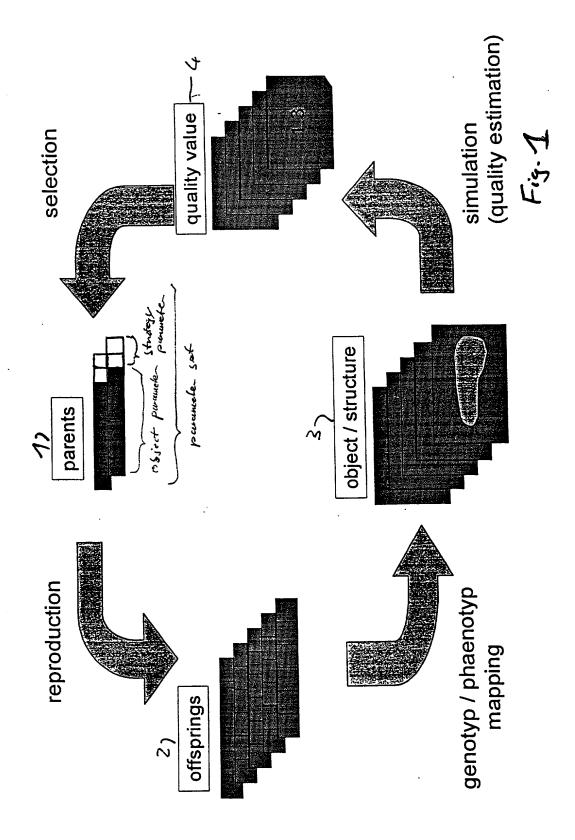
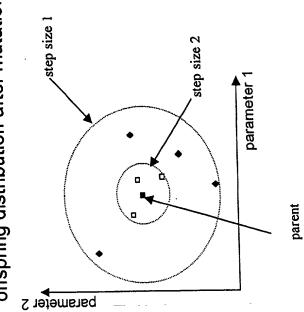
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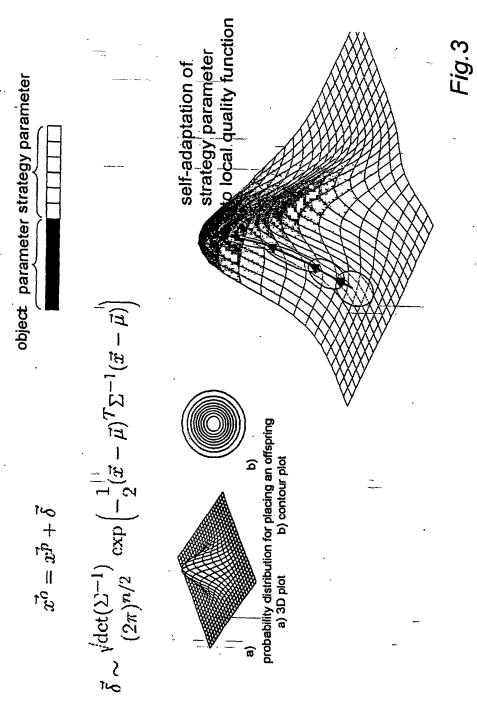


$$-\frac{1}{\sqrt{P}} + M(0, \sigma^2)$$

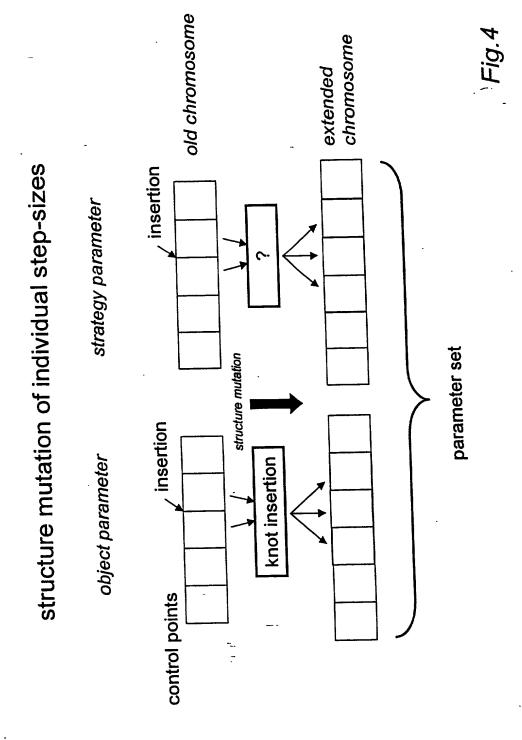
$$x^O = x^P + N(0, \sigma_P^2)$$
Genotype:

object parameter step size

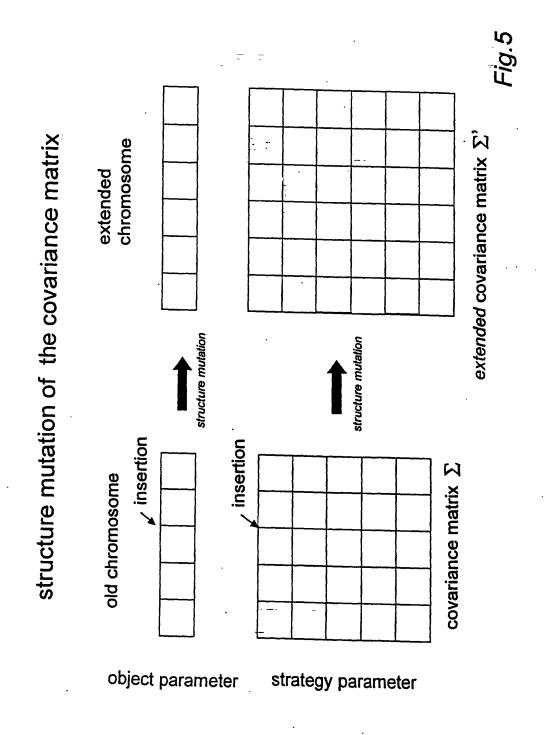
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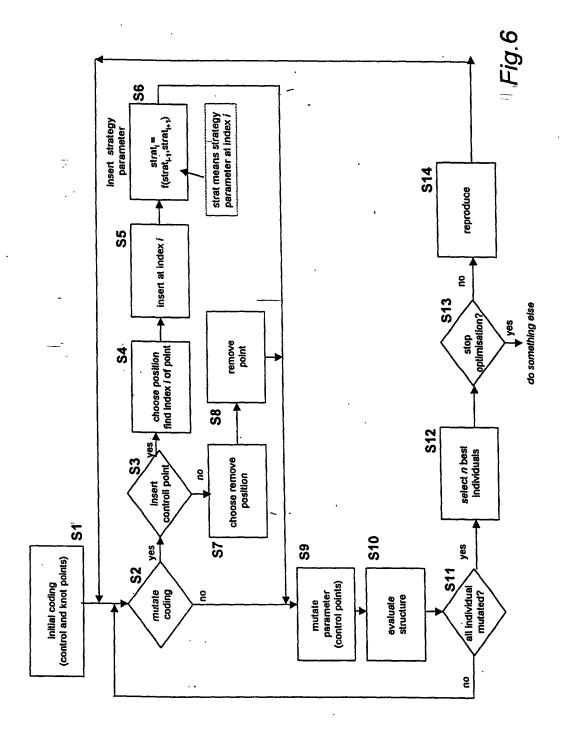
Title: Strategy Parameter Adaptation in Evolution Strategies Inventors: Markus Olhofer Atty. Docket No.: 23077-06634 Sheet 4 of 10



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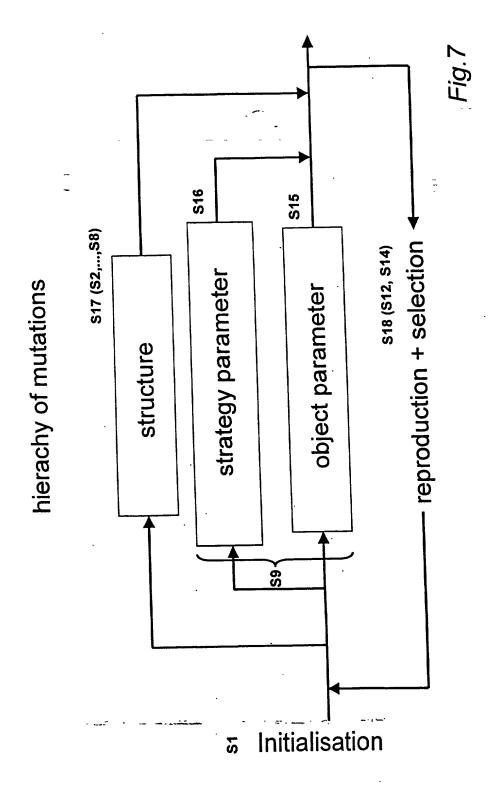
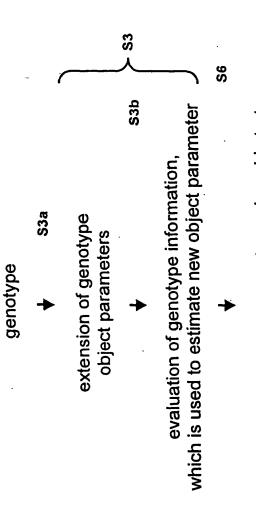


Fig. 8

extension of strategy parameter set

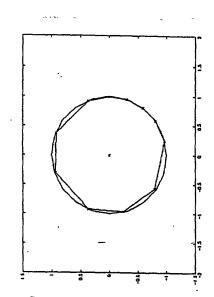


calculation of new strategy parameter, using old strategy parameter corresponding to used obj. parameter in the estimation of new object parameter

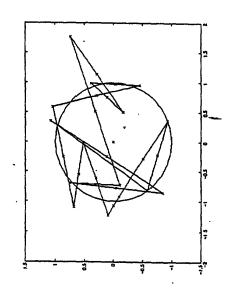
extended genotype with optimised strategy parameter for new object parameters

Fig. 10









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